**🗓️ Timeline: April 16 – May 31 (6 weeks)**

**Goal**: Fully functional Employee Management System  
**Team**:

* **Backend Dev 1** – Core API, DB schema, logic
* **Backend Dev 2** – Auth, feedback, tickets, testing
* **Frontend Dev** – React UI, role-based routing, integration

**🔧 Week-by-Week Work Plan**

**✅ Week 1 (Apr 16–21): Setup & Auth**

| **Task** | **Assigned To** |
| --- | --- |
| Set up Spring Boot project + modules | Backend Dev 1 |
| Design and implement DB schema | Backend Dev 1 |
| Set up JWT-based auth (login, register) | Backend Dev 2 |
| Set up React project + tailwind + routing | Frontend Dev |
| Build login + role-based dashboard routing | Frontend Dev |

**✅ Week 2 (Apr 22–28): Core Entities**

| **Task** | **Assigned To** |
| --- | --- |
| Employee CRUD APIs (manager only) | Backend Dev 1 |
| Department & reporting manager logic | Backend Dev 1 |
| Attendance APIs (check-in, check-out, view) | Backend Dev 2 |
| Employee list, Add Employee UI | Frontend Dev |
| Attendance UI for employee + manager | Frontend Dev |

**✅ Week 3 (Apr 29–May 5): Leave & Feedback**

| **Task** | **Assigned To** |
| --- | --- |
| Leave Request APIs (employee + manager view/approve) | Backend Dev 1 |
| Daily feedback APIs + manager reply | Backend Dev 2 |
| Leave form + history | Frontend Dev |
| Feedback form + reply thread | Frontend Dev |

**✅ Week 4 (May 6–12): Tasks & Tickets**

| **Task** | **Assigned To** |
| --- | --- |
| Task Management APIs + status logs | Backend Dev 1 |
| Ticket Management APIs | Backend Dev 2 |
| Task dashboard + update form | Frontend Dev |
| Ticket system UI | Frontend Dev |

**✅ Week 5 (May 13–19): Chat + Polish**

| **Task** | **Assigned To** |
| --- | --- |
| Simple chat APIs (polling based or WebSocket) | Backend Dev 1 |
| Final bug fixing + unit testing | Backend Dev 2 |
| Chat UI + final polish for all modules | Frontend Dev |

**✅ Week 6 (May 20–31): Testing & Deployment**

| **Task** | **Assigned To** |
| --- | --- |
| Write API documentation (Swagger / Postman) | Backend Dev 1 |
| Test all APIs (Junit, Postman) | Backend Dev 2 |
| Integrate all components, fix UI issues | Frontend Dev |
| Dockerize + Deploy backend + frontend | All Team Members |

**📦 Tech Stack Recap**

* **Backend**: Spring Boot, JPA, MySQL, JWT
* **Frontend**: React.js, Tailwind CSS, Axios
* **Deployment**: VPS